Mina's Travel Plan

Use global lines, coordinates, and scale to describe places.

SS24.3.1 "Locate map features, using geographic terminology to describe them. 1a Identify the Equator, International Date Line, Prime Meridian, Tropic of Capricorn, and Tropic of Cancer, using cardinal and intermediate directions..."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Circle the five named lines on Earth, and underline words that tell where a line or place is.

Planning with a Globe

1. Mina studies a globe before planning a trip. The Equator circles Earth's middle at 0° latitude. The Tropic of Cancer lies north of it, near 23.5° N. The Tropic of Capricorn lies south of it, near 23.5° S. These lines help Mina tell how far north or south a place is.

2. Next, Mina checks longitude, which tells how far east or west a place is. The Prime Meridian is at 0° longitude. The International Date Line runs near 180° longitude, on the opposite side of Earth. It bends around some islands and countries. Mina uses the table to find four points by latitude and longitude.

MINA'S POINTS

Place	Latitude	Longitude
Harbor	0°	30° E
Tower	2° N	30° E
Camp	2° N	32° E
Marsh	2° S	30° E

3. Mina notices that points with the same longitude line up north and south. When a point is both farther north and farther east than another, it is northeast of that point. On this travel plan, each degree of latitude along a north-south line stands for about 110 kilometers. She uses this scale to find distance.

2 ANSWER WITH EVIDENCE

Use the passage

1. Starting at the Equator, which named line would you meet traveling north? Which would you meet traveling south?

2. Which named line is at 0° longitude? Which is near 180° longitude?

3. Which point is northeast of Harbor? Give its latitude and longitude.

4. How far is Harbor from Tower along a north-south line? Show how you used the scale.

3 YOUR TURN

Your own words

Choose two points in the table that are not Harbor and share the same longitude. Write their coordinates, give the direction from the first to the second, and use the scale to find their north-south distance.

ANSWER KEY

Mina's Travel Plan

GRADE 3 · SS24.3.1

PART 1 · READ AND MARK

Circle the five named lines on Earth, and underline words that tell where a line or place is. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Starting at the Equator, which named line would you meet traveling north? Which would you meet traveling south?	**North: Tropic of Cancer. South: Tropic of Capricorn.**
2	Which named line is at 0° longitude? Which is near 180° longitude?	**The Prime Meridian is at 0° longitude. The International Date Line is near 180° longitude.**
3	Which point is northeast of Harbor? Give its latitude and longitude.	**Camp is northeast of Harbor. Its coordinates are 2° N, 32° E.**
4	How far is Harbor from Tower along a north-south line? Show how you used the scale.	**They are 2 degrees of latitude apart. 2 × 110 = about 220 kilometers.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

Tower is at 2° N, 30° E, and Marsh is at 2° S, 30° E. From Tower to Marsh, I travel south across 4 degrees of latitude. The distance is about 4 × 110 = 440 kilometers.

For Your Turn, students may travel from Tower to Marsh or from Marsh to Tower. Accept south or north, respectively, with a distance of about 440 kilometers.